Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (withdrawn) An isolated DNA sequence comprising a DNA sequence selected from the group consisting of:
   a) nucleotides #256, 307, 310, 313, 316, 319, 322, 325 or 328 to #1140 or 1143 of SEQ ID NO: 1; and
   b) sequences which hybridize to (a) under stringent hybridization conditions and encode a protein which exhibits *Frazzled* activity

2. (withdrawn) An isolated DNA sequence comprising a DNA sequence selected from the group consisting of:
   a) nucleotide encoding amino acids #1, 18, 19, 20, 21, 22, 23, 24 or 25 to #295 of SEQ ID NO: 2;
   b) nucleotides encoding amino acids #1 to #275 of SEQ ID NO: 3; and
   c) sequences which hybridize to (a) or (b) under stringent hybridization conditions and encode a protein which exhibits *Frazzled* activity.

3. (withdrawn) A vector comprising a DNA molecule of claim 1 in operative association with an expression control sequence therefor.

4. (withdrawn) A vector comprising a DNA molecule of claim 2 in operative association with an expression control sequence therefor.

5. (withdrawn) A host cell transformed with the vector of claim 3.

6. (withdrawn) A host cell transformed with the vector of claim 4.

7. (withdrawn) An isolated DNA molecule comprising a DNA sequence selected from the group consisting of:
   a) nucleotide #316 to #1143 of SEQ ID NO: 1; and
   b) naturally occurring allelic sequences and equivalent degenerative codon sequences of (a).

8. (withdrawn) A vector comprising a DNA molecule of claim 7 in operative association with an expression control sequence therefor.

9. (withdrawn) A host cell transformed with the vector of claim 8.

10. (withdrawn) An isolated DNA molecule encoding human SDF-5 protein, said DNA molecule comprising nucleotide #316 to #1143 of SEQ ID NO: 1.

11. (withdrawn) An isolated DNA molecule according to claim 10, further comprising a nucleotide sequence encoding a suitable signal peptide 5' to and linked in frame to the DNA coding sequence.

12. (withdrawn) A vector comprising a DNA molecule of claim 11 in operative association with an expression control sequence therefor.

13. (withdrawn) A host cell transformed with the vector of claim 12.

14. (withdrawn) An isolated DNA molecule encoding human SDF-5 protein, said DNA molecule comprising nucleotide #256 to #1143 of SEQ ID NO: 1.

15. (withdrawn) A method for producing purified human SDF-5 protein, said method comprising the steps of:
a) culturing a host cell transformed with a DNA sequence according to claim 1, comprising a nucleotide sequence encoding human SDF-5 protein; and
b) recovering and purifying said human SDF-5 protein from the culture medium.

16. (withdrawn) A method for producing purified human SDF-5 protein said method comprising the steps of:
a) culturing a host cell transformed with a DNA sequence according to claim 2, comprising a nucleotide sequence encoding human SDF-5 protein; and
b) recovering and purifying said human SDF-5 protein from the culture medium.

17. (withdrawn) A method for producing purified human SDF-5 protein said method comprising the steps of:
a) culturing a host cell transformed with a DNA sequence according to claim 7, comprising a nucleotide sequence encoding human SDF-5 protein; and
b) recovering and purifying said human SDF-5 protein from the culture medium.

18. (currently amended) A purified human SDF-5 polypeptide comprising the amino acid sequence of SEQ ID NO: 2 ~~or SEQ ID NO: 3~~.

19. (previously presented) A purified human SDF-5 protein produced by the steps of
a) culturing a cell transformed with a DNA molecule comprising the nucleotide sequence from nucleotide #316 to #1143 as shown in SEQ ID NO: 1; and
b) recovering and purifying from said culture medium a protein comprising the amino acid sequence from amino acid #21 to amino acid #295 as shown in SEQ ID NO: 2.

20. (cancelled)

21. (withdrawn) A method for altering the regulation of pancreatic genes in a patient in need of same comprising administering to said patent an effective amount of the composition of claim 20.

22. (original) A purified human SDF-5 protein comprising the amino acid sequence from amino acid #1 to #295 of SEQ ID NO: 2.

23. (original) A purified human SDF-5 protein comprising the amino acid sequence from amino acid #1 to #275 of SEQ ID NO: 3.

24. (withdrawn) Antibodies to a purified human SDF-5 according to claim 22.

25. (cancelled)

26. (withdrawn) Antibodies to a purified human SDF-5 protein according to claim 25.

27. (withdrawn) A method for increasing the differentiation of cells into chondrocytes, said method comprising applying a composition comprising BMP-2 and SDF-5.

28. (cancelled)

29. (cancelled)

30. (not entered)

31. (not entered)

32. (not entered)

33. (new) A purified human SDF-5 polypeptide comprising the amino acid sequence of SEQ ID NO: 3.